

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2131	((523/160) or (523/161)).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/07/07 09:44
L2	170	(ink OR L1) AND (leafing or non \$2leafing OR non adj leafing) near5 pigment	US-PGPUB; USPAT	OR	ON	2010/07/07 09:44
L3	3035	(dainippon).as.	US-PGPUB; USPAT	OR	OFF	2010/07/07 09:44
L4	223	(Fukuda near5 Masanobu).in. OR (Kouyama near5 Tatsuya).in. OR (Takahashi near5 Jun).in. OR (Yano near5 Kenkichi).in.	US-PGPUB; USPAT	OR	OFF	2010/07/07 09:44
L5	22	(L3 OR L4) AND (anhydride) AND (ink).ab.	US-PGPUB; USPAT	OR	ON	2010/07/07 09:44
L6	223	(Fukuda near5 Masanobu).in. OR (Kouyama near5 Tatsuya).in. OR (Takahashi near5 Jun).in. OR (Yano near5 Kenkichi).in.	US-PGPUB; USPAT	OR	OFF	2010/07/07 09:44
L7	34	L6 AND ink	US-PGPUB; USPAT	OR	ON	2010/07/07 09:44
L8	443	((ink near5 composition) OR (L1)) AND (( Dodecenylsuccinic near5 anhydride) OR ( Trimellitic near5 anhydride)) AND (anhdyride with storage OR stability)	US-PGPUB; USPAT	OR	ON	2010/07/07 09:44
L9	2131	((523/160) or (523/161)).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/07/07 09:45
L10	3499	(leafing or non\$2leafing OR non adj leafing OR metal near5 flake OR metallic near5 flake) near5 pigment	US-PGPUB; USPAT	OR	ON	2010/07/07 09:45
L11	12	(ink OR L1) AND L10 AND (L10) with (thickness) with (diameter)	US-PGPUB; USPAT	OR	ON	2010/07/07 09:45
L12	18	(ink OR L1) AND L10 AND (L10) with (thickness) AND (L10) with (diameter Or size)	US-PGPUB; USPAT	OR	ON	2010/07/07 09:45
L13	9106	(leafing or non\$2leafing OR non adj leafing OR metal near5 flake OR metallic near5 flake OR metallic ) near5 pigment	US-PGPUB; USPAT	OR	ON	2010/07/07 09:45
L14	74	(ink OR L1) AND L13 AND (L13) with (thickness) AND (L13) with (diameter Or size)	US-PGPUB; USPAT	OR	ON	2010/07/07 09:45
L15	34	((ink near5 composition ) OR (L1)) AND L13 AND (binder Or resin OR polymer) AND (( binder OR resin OR polymer) near5 acid adj number)	US-PGPUB; USPAT	OR	ON	2010/07/07 09:45

L16	3035	(dainippon).as.	US-PGPUB; USPAT	OR	OFF	2010/07/07 09:45
L17	223	(Fukuda near5 Masanobu).in. OR (Kouyama near5 Tatsuya).in. OR (Takahashi near5 Jun).in. OR (Yano near5 Kenkichi).in.	US-PGPUB; USPAT	OR	OFF	2010/07/07 09:45
S1	1	"10/583714"	US-PGPUB; USPAT	OR	OFF	2010/01/21 07:38
S2	1	("6616741").PN.	US-PGPUB; USPAT	OR	OFF	2010/01/21 07:39
S5	2980	(dainippon).as.	US-PGPUB; USPAT	OR	OFF	2010/01/21 08:34
S6	212	(Fukuda near5 Masanobu).in. OR (Kouyama near5 Tatsuya).in. OR (Takahashi near5 Jun).in. OR (Yano near5 Kenkichi).in.	US-PGPUB; USPAT	OR	OFF	2010/01/21 08:35
S7	2	("20030151028"   "6616741").PN.	US-PGPUB; USPAT	OR	OFF	2010/01/21 08:38
S8	34	S6 AND ink	US-PGPUB; USPAT	OR	ON	2010/01/21 08:41
S9	0	S5 AND (ink) AND (leafing or non \$2leafing OR non adj leafing) near5 pigment	US-PGPUB; USPAT	OR	ON	2010/01/21 08:42
S10	159	(ink) AND (leafing or non\$2leafing OR non adj leafing) near5 pigment	US-PGPUB; USPAT	OR	ON	2010/01/21 08:43
S11	2079	((523/160) or (523/161)).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/01/21 08:43
S12	161	(ink OR S11) AND (leafing or non \$2leafing OR non adj leafing) near5 pigment	US-PGPUB; USPAT	OR	ON	2010/01/21 08:43
S14	3377	(leafing or non\$2leafing OR non adj leafing OR metal near5 flake OR metallic near5 flake) near5 pigment	US-PGPUB; USPAT	OR	ON	2010/01/21 08:44
S15	991	(ink OR S11) AND S14	US-PGPUB; USPAT	OR	ON	2010/01/21 08:44
S16	12	(ink OR S11) AND S14 AND (S14) with (thickness) with (diameter)	US-PGPUB; USPAT	OR	ON	2010/01/21 08:45
S17	13	(ink OR S11) AND S14 AND (S14) with (thickness) with (diameter Or size)	US-PGPUB; USPAT	OR	ON	2010/01/21 09:07
S18	16	(ink OR S11) AND S14 AND (S14) with (thickness) AND (S14) with (diameter Or size)	US-PGPUB; USPAT	OR	ON	2010/01/21 09:10
S19	3	S18 NOT S17	US-PGPUB; USPAT	OR	ON	2010/01/21 09:10
S20	8809	(leafing or non\$2leafing OR non adj leafing OR metal near5 flake OR metallic near5 flake OR metallic ) near5 pigment	US-PGPUB; USPAT	OR	ON	2010/01/21 09:16
S21	66	(ink OR S11) AND S20 AND (S20) with (thickness) AND (S20) with (diameter Or size)	US-PGPUB; USPAT	OR	ON	2010/01/21 09:16

S22	50	S21 NOT (S19 OR S18 OR S17)	US-PGPUB; USPAT	OR	ON	2010/01/21 09:16
S23	50	S22 AND (ink)	US-PGPUB; USPAT	OR	ON	2010/01/21 09:26
S24	0	(lk) AND (epicron\$ near5 ("B-4400" OR B adj "4400" OR "B4400"))	US-PGPUB; USPAT	OR	ON	2010/01/21 09:41
S25	12	(epicron\$ near5 ("B-4400" OR B adj "4400" OR "B4400"))	US-PGPUB; USPAT	OR	ON	2010/01/21 09:42
S26	1990	(ink OR S11 Or coating OR paint OR liquid near5 composition) AND S20 AND (binder near5 resin)	US-PGPUB; USPAT	OR	ON	2010/01/21 09:56
S27	2005	(ink near5 composition OR S11 Or coating near5 composition OR paint near5 composition OR liquid near5 composition) AND S20 AND (binder near5 resin)	US-PGPUB; USPAT	OR	ON	2010/01/21 09:56
S28	1462	(ink near5 composition OR S11 Or coating near5 composition OR paint near5 composition OR liquid near5 composition) AND S20 AND (binder near5 resin)	US-PGPUB; USPAT	OR	ON	2010/01/21 09:57
S29	89	(ink near5 composition OR S11 Or coating near5 composition OR paint near5 composition OR liquid near5 composition) AND S20 AND (binder near5 resin) with (acrylic near5 acid)	US-PGPUB; USPAT	OR	ON	2010/01/21 09:57
S30	1430	(ink near5 composition OR S11 Or coating near5 composition OR paint near5 composition OR liquid near5 composition) AND S20 AND (binder near5 resin) AND (solvent)	US-PGPUB; USPAT	OR	ON	2010/01/21 09:58
S31	1150	(ink near5 composition OR S11 Or coating near5 composition OR paint near5 composition OR liquid near5 composition) AND S20 AND (binder near5 resin) AND (organic near5 solvent)	US-PGPUB; USPAT	OR	ON	2010/01/21 09:58
S32	11	(ink near5 composition OR S11 Or coating near5 composition OR paint near5 composition OR liquid near5 composition) AND S20 AND (binder near5 resin) AND (solvent) AND (S14) with (thickness) AND (S14) with (diameter)	US-PGPUB; USPAT	OR	ON	2010/01/21 09:59
S33	1143	S31 NOT S32	US-PGPUB; USPAT	OR	ON	2010/01/21 10:09
S34	242	S33 AND (ink near5 composition)	US-PGPUB; USPAT	OR	ON	2010/01/21 10:10
S35	22	S33 AND (ink near5 composition) AND (pigment near5 diameter) AND (pigment near5 thickness)	US-PGPUB; USPAT	OR	ON	2010/01/21 10:10
S36	220	S34 NOT S35	US-PGPUB; USPAT	OR	ON	2010/01/21 10:18

S37	2844	(ink near5 composition) AND (acid adj anhydride)	US-PGPUB; USPAT	OR	ON	2010/01/21 10:20
S38	10	(ink near5 composition) AND (acid adj anhydride) with (storage near stability)	US-PGPUB; USPAT	OR	ON	2010/01/21 10:20
S39	10	((ink near5 composition) OR (S11)) AND (acid adj anhydride) with (storage near stability)	US-PGPUB; USPAT	OR	ON	2010/01/21 10:21
S40	1	S1 and (anhydride)	US-PGPUB; USPAT	OR	ON	2010/01/21 10:24
S41	648	((ink near5 composition) OR (S11)) AND (( Dodecenylsuccinic near5 anhydride) OR ( Trimellitic near5 anhydride))	US-PGPUB; USPAT	OR	ON	2010/01/21 10:28
S42	416	((ink near5 composition) OR (S11)) AND (( Dodecenylsuccinic near5 anhydride) OR ( Trimellitic near5 anhydride)) AND (anhdyride with storage stability)	US-PGPUB; USPAT	OR	ON	2010/01/21 10:28
S43	0	((ink near5 composition) OR (S11)) AND (( Dodecenylsuccinic near5 anhydride) OR ( Trimellitic near5 anhydride)) AND (anhdyride with storage near5 stability)	US-PGPUB; USPAT	OR	ON	2010/01/21 10:28
S44	416	((ink near5 composition) OR (S11)) AND (( Dodecenylsuccinic near5 anhydride) OR ( Trimellitic near5 anhydride)) AND (anhdyride with storage OR stability)	US-PGPUB; USPAT	OR	ON	2010/01/21 10:28
S45	44	((ink near5 composition) OR (S11)) AND (( Dodecenylsuccinic near5 anhydride) OR ( Trimellitic near5 anhydride)) AND (anhdyride with storage OR stability) AND S20	US-PGPUB; USPAT	OR	ON	2010/01/21 10:29
S46	0	((ink near5 composition) OR (S11)) AND S20 AND (binder) AND (binder near5 acid adj number)	US-PGPUB; USPAT	OR	ON	2010/01/21 10:31
S47	5	((ink ) OR (S11)) AND S20 AND (binder) AND (binder near5 acid adj number)	US-PGPUB; USPAT	OR	ON	2010/01/21 10:31
S48	75	((ink ) OR (S11)) AND S20 AND (binder Or resin OR polymer) AND (( binder OR resin OR polymer) near5 acid adj number)	US-PGPUB; USPAT	OR	ON	2010/01/21 10:32
S49	33	((ink near5 composition ) OR (S11)) AND S20 AND (binder Or resin OR polymer) AND (( binder OR resin OR polymer) near5 acid adj number)	US-PGPUB; USPAT	OR	ON	2010/01/21 10:32
S50	1	showa\$ near5 ("4010sw" OR "4010-sw" OR "4010" adj sw)	US-PGPUB; USPAT	OR	ON	2010/01/21 10:40
S51	1	aluminum near5 ("4010sw" OR "4010-sw" OR "4010" adj sw)	US-PGPUB; USPAT	OR	ON	2010/01/21 10:40
S52	8	TYFORCE\$	US-PGPUB; USPAT	OR	ON	2010/01/21 10:41

S53	260	(ink near5 composition) AND (resin near5 acid adj number)	US-PGPUB; USPAT	OR	ON	2010/01/21 10:41
S54	545	(ink near5 composition) AND (resin OR binder Or polymer) near5 (acid adj number)	US-PGPUB; USPAT	OR	ON	2010/01/21 10:42
S55	16	(ink near5 composition) AND (resin OR binder Or polymer) near5 (acid adj number) AND S20	US-PGPUB; USPAT	OR	ON	2010/01/21 10:42
S56	131	(S20) with (sputtering OR maleation OR aluminum adj vapor deposition)	US-PGPUB; USPAT	OR	ON	2010/01/21 11:07
S57	24	(S20) with (sputtering OR maleation OR aluminum adj vapor adj deposition)	US-PGPUB; USPAT	OR	ON	2010/01/21 11:07
S58	1	S1 AND (water)	US-PGPUB; USPAT	OR	ON	2010/01/21 11:12
S59	247	(ink adj composition) and (anhydride) AND (anhydride near5 (amount Or content OR "wt.%" OR "wt. %" OR "wt%" OR "wt %"))	US-PGPUB; USPAT	OR	ON	2010/01/21 11:18
S60	1	(S1) and (anhydride)	US-PGPUB; USPAT	OR	ON	2010/01/21 11:23
S61	60	(ink adj composition) and (anhydride) AND (anhydride near5 (amount Or content OR "wt.%" OR "wt. %" OR "wt%" OR "wt %")) AND (melamine)	US-PGPUB; USPAT	OR	ON	2010/01/21 11:26
S62	45	(S5) and (anhydride) AND (anhydride near5 (amount Or content OR "wt.%" OR "wt. %" OR "wt%" OR "wt %"))	US-PGPUB; USPAT	OR	ON	2010/01/21 11:28
S63	3	(S5) and (anhydride) AND (anhydride near5 (amount Or content OR "wt.%" OR "wt. %" OR "wt%" OR "wt %")) AND (ink near5 composition)	US-PGPUB; USPAT	OR	ON	2010/01/21 11:28
S64	2	(S5) and (anhydride) AND (anhydride near5 (amount Or content OR "wt.%" OR "wt. %" OR "wt%" OR "wt %")) AND (ink).ab.	US-PGPUB; USPAT	OR	ON	2010/01/21 11:29
S65	21	(S5) and (anhydride) AND (ink).ab.	US-PGPUB; USPAT	OR	ON	2010/01/21 11:30
S66	392	(metallic near5 ink) and (anhydride)	US-PGPUB; USPAT	OR	ON	2010/01/21 11:31
S67	34	(metallic near5 ink near5 composition) and (anhydride)	US-PGPUB; USPAT	OR	ON	2010/01/21 11:31
S68	2	"EP 1621586"	EPO; JPO; DERWENT	OR	OFF	2010/01/21 11:34
S69	2	"EP 1080810"	EPO; JPO; DERWENT	OR	OFF	2010/01/21 11:36
S70	2	"EP 1186638"	EPO; JPO; DERWENT	OR	OFF	2010/01/21 11:37
S71	0	"JP 6051758"	EPO; JPO; DERWENT	OR	OFF	2010/01/21 11:43

S72	1	"JP 06051758"	EPO; JPO; DERWENT	OR	OFF	2010/01/21 11:43
S73	2	"JP 60051758"	EPO; JPO; DERWENT	OR	OFF	2010/01/21 11:43
S74	2	"JP 2003342509"	EPO; JPO; DERWENT	OR	OFF	2010/01/21 11:44
S75	0	"JP 200246230"	EPO; JPO; DERWENT	OR	OFF	2010/01/21 11:44
S76	2	"JP 2002046230"	EPO; JPO; DERWENT	OR	OFF	2010/01/21 11:45
S77	2	"JP 2001139892"	EPO; JPO; DERWENT	OR	OFF	2010/01/21 11:45
S78	2	"JP 2001040263"	EPO; JPO; DERWENT	OR	OFF	2010/01/21 11:46
S79	2	"JP 2004035848"	EPO; JPO; DERWENT	OR	OFF	2010/01/21 11:46
S80	2	"JP 2002046230"	EPO; JPO; DERWENT	OR	OFF	2010/01/21 11:46
S81	1	"JP 05111911"	EPO; JPO; DERWENT	OR	OFF	2010/01/21 11:47
S82	0	"JP 50111911"	EPO; JPO; DERWENT	OR	OFF	2010/01/21 11:47
S83	1452	(ink adj composition) and (acid adj anhydride)	US-PGPUB; USPAT	OR	ON	2010/01/21 11:49
S84	71971	(ink adj composition) and (acid adj anhydride) AND (binder) wiht (melamine)	US-PGPUB; USPAT	OR	ON	2010/01/21 11:50
S85	67	(ink adj composition) and (acid adj anhydride) AND (binder) with (melamine)	US-PGPUB; USPAT	OR	ON	2010/01/21 11:50
S86	0	(ink adj composition) and (acid adj anhydride) with (ink near3 stability)	US-PGPUB; USPAT	OR	ON	2010/01/21 11:51
S87	1	(ink adj composition) and (anhydride) with (ink near3 stability)	US-PGPUB; USPAT	OR	ON	2010/01/21 11:51
S88	5	(cymel\$) near5 ("mmol")	US-PGPUB; USPAT	OR	ON	2010/01/21 12:57
S89	2980	(dainippon).as.	US-PGPUB; USPAT	OR	OFF	2010/01/21 12:58
S90	7	S89 AND ("mmol/kg")	US-PGPUB; USPAT	OR	ON	2010/01/21 12:58
S91	16	(ink near5 composition) AND (binder OR resin OR polymer) AND ("mmol/kg")	US-PGPUB; USPAT	OR	ON	2010/01/21 12:59
S92	204	S89 AND (acid adj anhydride)	US-PGPUB; USPAT	OR	OFF	2010/01/21 13:00
S93	268	S89 AND (acid adj anhydride)	US-PGPUB; USPAT	OR	ON	2010/01/21 13:00
S94	16	S89 AND (acid adj anhydride) AND (ink).ab.	US-PGPUB; USPAT	OR	ON	2010/01/21 13:00

S95	212	(Fukuda near5 Masanobu).in. OR (Kouyama near5 Tatsuya).in. OR (Takahashi near5 Jun).in. OR (Yano near5 Kenkichi).in.	US-PGPUB; USPAT	OR	OFF	2010/01/21 13:00
S96	17	(S89 OR S95) AND (acid adj anhydride) AND (ink).ab.	US-PGPUB; USPAT	OR	ON	2010/01/21 13:00
S97	22	(S89 OR S95) AND (anhydride) AND (ink).ab.	US-PGPUB; USPAT	OR	ON	2010/01/21 13:02
S98	22	S97 NOT "L17"	US-PGPUB; USPAT	OR	ON	2010/01/21 13:02
S99	5	S97 NOT S96	US-PGPUB; USPAT	OR	ON	2010/01/21 13:02
S100	539	(ink near5 composition).ab. AND (acid adj anhydride)	US-PGPUB; USPAT	OR	ON	2010/01/21 13:03
S101	164	(ink near5 composition).ab. AND (acid adj anhydride) with (acetic OR succinic OR trimellitic Or pyromellitic)	US-PGPUB; USPAT	OR	ON	2010/01/21 13:04
S102	8809	(leafing or non\$2leafing OR non adj leafing OR metal near5 flake OR metallic near5 flake OR metallic ) near5 pigment	US-PGPUB; USPAT	OR	ON	2010/01/21 13:06
S103	19	(ink near5 composition).ab. AND (acid adj anhydride) with (acetic OR succinic OR trimellitic Or pyromellitic) AND S102	US-PGPUB; USPAT	OR	ON	2010/01/21 13:06
S104	72	(ink near5 composition) AND (acid adj anhydride) with (acetic OR succinic OR trimellitic Or pyromellitic) AND S102	US-PGPUB; USPAT	OR	ON	2010/01/21 13:06
S105	375	S100 NOT S101	US-PGPUB; USPAT	OR	ON	2010/01/21 13:08
S106	75	S105 AND (non\$2aqueous OR non adj aqueous)	US-PGPUB; USPAT	OR	ON	2010/01/21 13:08
S107	0	melamine adj resin with ("mmol/kg")	US-PGPUB; USPAT	OR	ON	2010/01/21 13:13
S108	0	melamine with ("mmol/kg")	US-PGPUB; USPAT	OR	ON	2010/01/21 13:13
S109	5713	(dainippon).as. OR (dai near5 nippon).as.	US-PGPUB; USPAT	OR	ON	2010/01/21 13:14
S110	775	(dainippon near5 ink).as. OR (dai near5 nippon near5 ink).as.	US-PGPUB; USPAT	OR	ON	2010/01/21 13:14
S111	7	S110 AND "mmol/kg"	US-PGPUB; USPAT	OR	ON	2010/01/21 13:14
S112	16	S109 AND (urethane near5 carboxyl near5 group)	US-PGPUB; USPAT	OR	ON	2010/01/21 13:15
S113	2668	(takeda).as.	US-PGPUB; USPAT	OR	ON	2010/01/21 13:17
S114	44	(takeda).as. AND (urethane near5 resin)	US-PGPUB; USPAT	OR	ON	2010/01/21 13:17
S115	0	(takeda).as. AND (urethane near5 resin) AND "mmol"	US-PGPUB; USPAT	OR	ON	2010/01/21 13:17

S116	9	(takeda).as. AND (urethane near5 resin) AND ink	US-PGPUB; USPAT	OR	ON	2010/01/21 13:17
S117	28268	(dainippon near5 ink).as. OR (dai near5 nippon near5 ink).as.	EPO; JPO; DERWENT	OR	ON	2010/01/21 13:18
S118	11	S117 AND ("mmol/kg")	EPO; JPO; DERWENT	OR	ON	2010/01/21 13:18
S119	7	(ink near5 composition) AND resin with ("mmol/kg")	US-PGPUB; USPAT	OR	ON	2010/01/21 13:19
S120	16	(ink ) AND resin with ("mmol/kg")	US-PGPUB; USPAT	OR	ON	2010/01/21 13:20
S121	21	(ink ) AND (resin or polymer OR binder) with ("mmol/kg")	US-PGPUB; USPAT	OR	ON	2010/01/21 13:20
S122	2	(ink ) AND (polyurethane) with (carboxyl Or sulfonic) with ("mmol/kg")	US-PGPUB; USPAT	OR	ON	2010/01/21 13:21
S123	10	(ink ) AND (resin or polymer Or binder) AND (carboxyl OR carboxylic OR amino Or sulfonic) with ("mmol/kg")	US-PGPUB; USPAT	OR	ON	2010/01/21 13:22
S124	79	(ink Or coating OR paint) AND (resin or polymer Or binder) AND (carboxyl OR carboxylic OR amino Or sulfonic) with ("mmol/kg")	US-PGPUB; USPAT	OR	ON	2010/01/21 13:22
S125	79	(ink Or coating OR paint) AND (resin or polymer Or binder) AND (carboxyl OR carboxylic OR amino Or sulfonic Or phosphoric) with ("mmol/kg")	US-PGPUB; USPAT	OR	ON	2010/01/21 13:23
S126	84	(ink Or coating OR paint) AND (carboxyl OR carboxylic OR amino Or sulfonic Or phosphoric) with ("mmol/kg")	US-PGPUB; USPAT	OR	ON	2010/01/21 13:23
S127	5	S126 NOT S125	US-PGPUB; USPAT	OR	ON	2010/01/21 13:23
S128	221	(ink Or coating OR paint) AND (carboxyl OR carboxylic OR amino Or sulfonic Or phosphoric) AND (group) with ("mmol/kg")	US-PGPUB; USPAT	OR	ON	2010/01/21 13:25
S129	23	(ink near5 composition).ab. AND (binder with (melamine with resin))	EPO; JPO; DERWENT	OR	ON	2010/01/21 13:53
S130	67	(ink near5 composition).ab. AND (binder with (melamine with resin))	US-PGPUB; USPAT	OR	ON	2010/01/21 13:54
S131	224	(ink near5 binder with (melamine with resin))	US-PGPUB; USPAT	OR	ON	2010/01/21 13:55
S132	0	(ink near5 binder with (melamine with resin)) with (non\$2aqueous OR non adj aqueous)	US-PGPUB; USPAT	OR	ON	2010/01/21 13:56
S133	3	(ink near5 binder with (melamine with resin)) AND (non\$2aqueous OR non adj aqueous) near5 (ink)	US-PGPUB; USPAT	OR	ON	2010/01/21 13:56
S134	64	( binder with (melamine with resin)) AND (non\$2aqueous OR non adj aqueous) near5 (ink)	US-PGPUB; USPAT	OR	ON	2010/01/21 13:56



S135	1	("4725317").PN.	US-PGPUB; USPAT	OR	OFF	2010/01/21 14:00
S136	5630	S135 wiht (second adj largest)	US-PGPUB; USPAT	OR	ON	2010/01/21 14:01
S137	0	S135 with (second adj largest)	US-PGPUB; USPAT	OR	ON	2010/01/21 14:01
S138	0	S135 with (second near5 largest)	US-PGPUB; USPAT	OR	ON	2010/01/21 14:01
S139	0	S135 with (largest)	US-PGPUB; USPAT	OR	ON	2010/01/21 14:01
S140	221	(ink).ab. AND ((metallic near5 pigment) OR (S102)) AND (diameter) with ("nm" or microns or "mu.m") AND (thickness) with ("nm" or microns OR "mu.m") AND (binder OR resin Or polymer OR copolymer Or thermoplastic)	US-PGPUB; USPAT	OR	ON	2010/01/21 14:25
S141	49	("2768909"   "2943955"   "3199999"   "3341291"   "3440075"   "3536520"   "3553001"   "3655418"   "3862297"   "3987156"   "4285726"   "4289745"   "4289746"   "4318747"   "4373963"   "4404254"   "4622073"   "4676838"   "4680130"   "4762568").PN. OR ("4826537"   "5091010").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/21 14:40
S142	17	S141 AND S102	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/21 14:41
S143	12	S141 AND S102 AND (diameter AND thickness)	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/21 14:41
S144	11	S141 AND S102 AND (diameter AND thickness) AND (ink)	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/21 14:41
S145	1	S141 AND S102 AND (diameter AND thickness) AND (ink) AND binder AND solvent	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/21 14:41
S146	299	(ink near5 composition) AND ((metallic near5 pigment) OR (S102)) AND (diameter) with ("nm" or microns or "mu.m") AND (thickness) with ("nm" or microns OR "mu.m") AND (binder OR resin Or polymer OR copolymer Or thermoplastic)	US-PGPUB; USPAT	OR	ON	2010/01/21 14:43
S147	299	S146 NOT S128	US-PGPUB; USPAT	OR	ON	2010/01/21 14:43
S148	1	("5133805").PN.	US-PGPUB; USPAT	OR	OFF	2010/01/21 15:20
S149	493346	iron ajd oxide with (metallic adj pigment)	US-PGPUB; USPAT	OR	OFF	2010/01/21 16:14
S150	87	iron adj oxide with (metallic adj pigment)	US-PGPUB; USPAT	OR	OFF	2010/01/21 16:15

S151	21	iron adj oxide near5 (metallic adj pigment)	US-PGPUB; USPAT	OR	OFF	2010/01/21 16:17
S152	8	(paint adj composition).ab. and (binder with melamine adj resin)	US-PGPUB; USPAT	OR	ON	2010/01/21 16:22
S153	13	(paint adj composition).ab. and (binder with melamine)	US-PGPUB; USPAT	OR	ON	2010/01/21 16:23
S154	5	S153 NOT S152	US-PGPUB; USPAT	OR	ON	2010/01/21 16:23
S155	99	(paint).ab. and (binder with melamine adj resin)	US-PGPUB; USPAT	OR	ON	2010/01/21 16:24
S156	493357	iron adj oxide with (metal adj pigment)	US-PGPUB; USPAT	OR	OFF	2010/01/22 15:55
S157	263	iron adj oxide with (metal adj pigment)	US-PGPUB; USPAT	OR	ON	2010/01/22 15:55
S158	0	iron adj oxide with (metal adj pigment) AND (paint adj composition).ab.	US-PGPUB; USPAT	OR	ON	2010/01/22 15:55
S159	33	iron adj oxide with (metal adj pigment) and (paint near3 composition)	US-PGPUB; USPAT	OR	ON	2010/01/22 15:56
S160	89	iron adj oxide near5 (metal adj pigment)	US-PGPUB; USPAT	OR	ON	2010/01/22 16:00
S161	77	S160 NOT S159	US-PGPUB; USPAT	OR	ON	2010/01/22 16:00
S162	1	("5549739").PN.	US-PGPUB; USPAT	OR	OFF	2010/01/22 16:26
S168	74730	( "1,2,4-Benzenetricarboxylic" near5 acid near5 anhydride) OR ( Benzenetricarboxylic near5 anhydride) OR ( Trimellitic near5 acid near5 anhydride) OR ( Trimellitic near5 anhydride) OR ( "1,2,4-Benzenetricarboxylic" near5 anhydride) OR ( Dioxo near5 phthalancarboxylic near5 acid) OR ( Carboxyphthalic near5 anhydride) OR ( Anhydrotrimellitic near5 acid) OR ( Benzene near5 tricarboxylic near5 anhydride) OR ( Epon\$4 "9150") OR ( Trimellitic near5 acid near5 anhydride) OR ( Trimellitic near5 acid near5 cyclic near5 anhydride) OR ( Trimellitic near5 anhydride) OR ( "2,5-Furandione" near5 dodecenyl) OR ( Furandione near5 dodecenyl) OR ( Succinic near5 anhydride near5 dodecenyl) OR ( Dodecenyl near5 succinic near5 anhydride) OR ( DDSA) OR ( Dodecenylsuccinic near5 acid near5 anhydride) OR ( Dodecenylsuccinic near5 anhydride) OR ( Acetic near5 oxide) OR ( Acetyl near5 acetate) OR ( Acetyl near5 anhydride) OR ( Acetyl near5 ether) OR ( Acetyl	US-PGPUB; USPAT	OR	OFF	2010/01/25 10:57

		near5 oxide) OR ( Ethanoic near5 anhydride) OR ( Succinic near5 anhydride) OR ( "2,5-Diketotetrahydrofuran") OR ( Diketotetrahydrofuran) OR ( Butanedioic near5 anhydride) OR ( Dihydro near5 furandione) OR ( Rikacid near5 "SA") OR ( Succinic near5 acid near5 anhydride) OR ( Succinyl near5 anhydride) OR ( Succinyl near5 oxide) OR ( Tetrahydro near5 dioxofuran) OR ( Tetrahydro near5 furandione) OR ( Tetrahydrophthalic near5 anhydride) OR ( Cyclohexene near5 dicarboxylic near5 acid near5 anhydride) OR ( Tetrahydrophthalic near5 acid near5 anhydride) OR ( Tetrahydrophthalic near5 anhydride) OR ( Tetrahydro near5 isobenzofuran near5 dione) OR ( Tetrahydrophthalic near5 anhydride) OR ( Benzenetetracarboxylic near5 acid near5 dianhydride) OR ( Benzenetetracarboxylic near5 acid near5 dianhydride) OR ( Benzenetetracarboxylic near5 dianhydride) OR ( Pyromellitic near5 acid near5 anhydride) OR ( Pyromellitic near5 acid near5 dianhydride) OR ( Pyromellitic near5 anhydride) OR ( Pyromellitic near5 dianhydride) OR ( PMDA) OR ( "PMDA-M") OR (PMDA near5 "M")				
S169	2079	((523/160) or (523/161)).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/01/25 10:59
S170	50407	(ink).ab. OR S169	US-PGPUB; USPAT	OR	OFF	2010/01/25 10:59
S171	2079	S170 AND S169	US-PGPUB; USPAT	OR	OFF	2010/01/25 10:59
S172	804	S170 AND S169 AND (ink near5 composition).ab.	US-PGPUB; USPAT	OR	ON	2010/01/25 10:59
S173	8809	(leafing or non\$2leafing OR non adj leafing OR metal near5 flake OR metallic near5 flake OR metallic ) near5 pigment	US-PGPUB; USPAT	OR	ON	2010/01/25 11:02
S174	55	S170 AND S169 AND (ink near5 composition).ab. AND S173	US-PGPUB; USPAT	OR	ON	2010/01/25 11:02
S175	178	S170 AND S169 AND S168	US-PGPUB; USPAT	OR	ON	2010/01/25 11:03
S176	14	S170 AND S169 AND S168 AND S173	US-PGPUB; USPAT	OR	ON	2010/01/25 11:03
S177	164	S175 NOT S176	US-PGPUB; USPAT	OR	ON	2010/01/25 11:04

S178	16	S177 AND (nonaqueous Or non \$2aqueous) near5 ink	US-PGPUB; USPAT	OR	ON	2010/01/25 11:10
S179	154	(ink near5 composition) AND (S173) AND S168	US-PGPUB; USPAT	OR	ON	2010/01/25 11:22
S180	342	(ink near5 composition) AND ((S173) OR ((metal Or metallic) near3 pigment)) AND S168	US-PGPUB; USPAT	OR	ON	2010/01/25 11:24
S181	4240	(ink near5 composition) AND ((gold OR copper OR silver OR metal Or metallic) near5 pigment)	US-PGPUB; USPAT	OR	ON	2010/01/25 12:50
S183	2630	(ink adj composition) AND ((gold OR copper OR silver OR metal Or metallic) near5 pigment)	US-PGPUB; USPAT	OR	ON	2010/01/25 12:50
S184	2283	(ink adj composition) AND ((gold OR copper OR silver OR metal Or metallic) near5 pigment) AND (solvent) AND (resin)	US-PGPUB; USPAT	OR	ON	2010/01/25 12:51
S185	836	(ink near5 composition).ab. AND ((gold OR copper OR silver OR metal Or metallic) near5 pigment) AND (solvent) AND (resin)	US-PGPUB; USPAT	OR	ON	2010/01/25 12:51
S186	45	(ink near5 composition).ab. AND ((gold OR copper OR silver OR metal Or metallic) near5 pigment) AND (solvent) AND (resin) AND (pigment with diameter) AND (pigment with thickness)	US-PGPUB; USPAT	OR	ON	2010/01/25 12:52
S187	203	(ink near5 composition) AND ((gold OR copper OR silver OR metal Or metallic) near5 pigment) AND (solvent) AND (resin) AND (pigment with diameter) AND (pigment with thickness)	US-PGPUB; USPAT	OR	ON	2010/01/25 12:54
S188	45	S187 NOT L^	US-PGPUB; USPAT	OR	ON	2010/01/25 12:54
S189	158	S187 NOT S186	US-PGPUB; USPAT	OR	ON	2010/01/25 12:54
S190	67	("2839378"   "4264664"   "4321087"   "5071597").PN. OR ("5672410").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/25 13:09
S191	31	(ink near5 composition) AND ((gold OR copper OR silver OR metal Or metallic) near5 pigment) AND (solvent) AND (resin) AND S190	US-PGPUB; USPAT	OR	ON	2010/01/25 13:09
S192	13	(ink near5 composition) AND ((gold OR copper OR silver OR metal Or metallic) near5 pigment) AND (solvent) AND (resin) AND S190 AND diameter AND thickness	US-PGPUB; USPAT	OR	ON	2010/01/25 13:10
S193	25	(ink near5 composition) AND ((gold OR copper OR silver OR metal Or metallic) near5 pigment) AND (solvent) AND (resin) AND (pigment with diameter) AND (pigment with thick)	US-PGPUB; USPAT	OR	ON	2010/01/25 13:11

S194	14	S193 NOT (S187 OR S189)	US-PGPUB; USPAT	OR	ON	2010/01/25 13:11
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